DOCUMENT RESUME

ED 282 470 HE 020 209

AUTHOR	Shingleton, John D.; Scheetz, L. Patrick
TITLE	Employment Survey of Michigan College Graduates: Report of First Destinations, Average Starting Salaries, 1983-84 (Bachelor's Degrees).
INSTITUTION	Michigan State Univ., East Lansing. Placement Services.
PUB DATE	1 Feb 86
NOTE	23p.; Document printed on colored paper.
AVAILABLE FROM	Michigan State University, Placement Services, 113 Student Services Building, East Lansing, MI 48824 ($10.00).
PUB TYPE	Statistical Data (110) -- Reports - Descriptive (141)
EDRS PRICE	MF01 Plus Postage. PC Not Available from EDRS.
DESCRIPTORS	*Bachelors Degrees; *College Graduates; Comparative Analysis; *Employment Patterns; Graduate Study; Graduate Surveys; Higher Education; *Majors (Students); Private Colleges; Public Colleges; *Salaries; Specialization; State Surveys; *Unemployment
IDENTIFIERS	*Michigan

ABSTRACT

Follow-up data on 1983-1984 bachelor's degree graduates of 14 Michigan public and private institutions are presented. For each field of study, data are provided on: average monthly and yearly starting salaries, the number of graduates, the percentage unemployed, the percentage employed in Michigan, and the percentage in graduate school. The relative demand by academic major for the graduates is also indicated for the following unemployment rates: none to 4.9%, 5 to 9.9%, 10 to 14.9%, 15 to 19.9%, 20 to 24.9%, 25 to 29.9% and higher than 30%. Also provided is a historical summary of the efforts (from April 1983 through May 1985) of the Michigan College and University Placement Association to promote a statewide follow-up report for all Michigan college graduates. (SW)

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ACKNOWLEDGEMENTS

The placement directors of Michigan colleges and universities who participated in this follow-up study are given recognition for their extra efforts. A special thanks is also extended because they so graciously cooperated in this research project, and we are requesting continuing cooperation as we attempt to make this report an annual project of the Michigan College and University Employment Research Institute.

Two former presidents of the Michigan College and University Placement Association are especially acknowledged for their time and efforts expended on development of the follow-up questionnaire. Robert A. Large, Director of Cooperative Education and Placement Services, Ferris State College, was President of MCUPA for the 1982-83 school year, and he was instrumental in the initial development of this project. During 1983-84, Brian Walby, Director of Placement, University of Detroit, provided momentum for collection of data from participating institutions.

Several MCUPA committee members assisted as well with this project. They included: Charles D. Alexander, Director of Placement, Central Michigan University; Dr. Chester C. Arnold, Director of Placement, Western Michigan University; Joanne M. Burns, Director of Career Services, Eastern Michigan University; John A. Crusoe, Director of University Placement Services and Cooperative Education, Wayne State University; Deborah Orr May, Director of Career Planning and Placement, University of Michigan; and Paul E. Ripley, Director of Placement and Career Planning, Lake Superior State College.

With preparation of the final report, the fine efforts of our new Institute staff are acknowledged: Phyllis Montague and Bill Riley. These individuals helped with consolidation of the data and printing the final report.

To all who participated in the compilation of this report, we say thank you.

John D. Shingleton

L. Patrick Scheetz, Ph.D.

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Price: $10.00

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GENERAL STATEMENT

For several years now, members of the Michigan College and University Placement Association (MCUPA) have been interested in preparation of a statewide follow-up report for all Michigan college graduates. An historical summary of MCUPA efforts is provided below.

APRIL 1983

Discussion regarding the feasibility of a statewide follow-up report was initiated at the Spring business meeting of MCUPA by then President Bob Large. Comments on the topic were mixed and the new President of MCUPA, Brian Walby, and Bob Large planned to research the topic further during the summer.

SUMMER 1983

A feasibility study was mailed to four-year colleges and universities in Michigan in order to further review their thoughts on this project.

SEPTEMBER 1983

Reports of the feasibility study were discussed at the Fall MCUPA Conference by Bob Large. Although a number of concerns were noted, most members responding to the study reported an interest in compiling an aggregate report. A motion was made and carried that MCUPA should collect data from four-year public institutions for the first year of the project. A request by Bob Large for $300 as start-up funding was passed by the membership.

NOVEMBER 1983

Bob Large and Brian Walby met at Michigan State University in East Lansing with Jack Shingleton and Patrick Scheetz in order to review and modify the existing format for data collection.

JANUARY 1984

The first follow-up survey forms were sent to all Michigan four-year public and private institutions asking them to return the completed forms along with related comments by March 1, 1984.

APRIL 1984

During the Spring MCUPA meeting, Brian Walby and Bob Large presented information concerning areas of both consistency and controversy on the existing format. Agreement on an adapted format and process was reached on all but one aspect of the project. A committee of four-year public representatives (including one representative from a four-year private and one from a two-year college) was established.

MAY 1984

During the Michigan Mindpower Conference II sponsored by State Senator William A. Sederburg at Michigan State University on May 22, 1984, another recommendation for collection of follow-up data was proposed. As a major objective of this conference, more effective career development, planning and placement services were encouraged for Michigan's higher education institutions. As a major recommendation for achievement of this objective, the Michigan Mindpower Conference II proposed that an institute be established with one of several duties being: conduct an annual survey of graduates from Michigan colleges and universities for the purpose of obtaining placement rates and other data pertinent to occupational projections.

SEPTEMBER 1984

Jack Crusoe updated the Statewide Follow-Up group on the Governor's subcommittee meetings on Occupational Supply and Demand. Jack Crusoe and Jack Shingleton met with the Governor's Commission. The working draft of the final report for the Governor's Commission on the Future of Higher Education in Michigan recommended that the state collect and publish placement data, cited colleges and universities as the best source of this information, and approximated potential costs.

OCTOBER 1984

A meeting of the entire follow-up committee took place at Michigan State University. A reporting format was finalized and the group agreed to prepare a 1984 report of Bachelor degree recipients for all four-year schools who were able to participate.

NOVEMBER 1984

A letter and finalized MCUPA Follow-Up form were mailed to directors of placement at all four-year schools. This mailing also included a copy of the Program Category Dimensions of the Classification of Industrial Programs (CIP codes). This structure was used to combine the totals for academic programs from the various colleges and universities. This mailing served as a briefing for colleges and universities regarding data that would be requested during the winter.

FEBRUARY 1985

In a final mailing, it was requested that four-year schools return their results to Brian Walby by April 5th. This letter also quoted the Governor's Subcommittee on Occupational Supply and Demand which recommended that ". . . a uniform database be implemented, including all the state's public and private two and four-year colleges and universities, to assist in statewide policy decisions, and that the database include . . . postgraduate placement data to guide student career counseling and program planning."

APRIL 1985

To date the following four-year schools have submitted their data. Some concerns still exist, but most schools plan to adapt their 1984-85 studies so they will be compatible with the existing MCUPA format.

Data are included from:

Adrian College	Grand Valley State	Michigan State Univ.
Albion College	Hillsdale College	Michigan Tech Univ.
Central Michigan Univ.	Hope College	Northern Michigan Univ.
Eastern Michigan Univ.	Mercy College	Spring Arbor College
Ferris State College		Western Michigan Univ.

MAY 1985

Final results from the MCUPA follow-up study were forwarded to Placement Services at Michigan State University as they were received in May, 1985. Since it seemed that funding for an institute was forthcoming, so computer hardware and research personnel would be available to complete this study, preparation of the final report was delayed. Finally in September, 1985, word was received that funding was received for the institute. Efforts began immediately for purchase of equipment and hiring of institute personnel. Finally in January of 1986, equipment and personnel were available to produce this report.

JANUARY 1986

This final report was prepared with aggregate data from participating institutions. Sections are included in this report on:

- Average starting salaries for Bachelor's degree graduates by academic major.
- Placement rates for each academic major graduated by participating institutions.
- Percentages of graduates employed in Michigan.
- Percentages of graduates attending graduate school.
- Relative supply and demand by academic major.

Starting Salary Averages for Bachelor's Graduates of 1983-84

CIP Number	Major	Average Monthly Starting Salary	Average Yearly Starting Salary	Number Reporting Salaries
Agribusiness and Agricultural Production				
1.0100	Agricultural Bus. & Mgmt.	$1,397	$16,764	27
1.0600	Horticulture	$1,157	$13,884	15
1.9900	Agribusiness & Ag. Production	$1,377	$16,524	6
Agricultural Sciences				
2.0201	Animal Sciences, General	$1,288	$15,456	12
2.0206	Dairy	$1,062	$12,744	4
2.0301	Food Sciences, General	$1,697	$20,364	9
2.0501	Soil Science	$1,303	$15,636	11
Renewable Natural Resources				
3.0101	Renewable Nat. Resources	$1,412	$16,944	5
3.0200	Conservation and Regulation	$950	$11,400	1
Architecture and Environmental Design				
4.0301	City Comm Reg Planning	$1,022	$12,264	1
4.0500	Interior Design	$1,033	$12,396	29
Business and Management				
6.0100	Business & Management gen	$1,143	$13,716	24
6.0200	Accounting	$1,629	$19,552	359
6.0300	Banking and Finance	$1,480	$17,760	100
6.0400	Business Admin & Management	$1,402	$16,818	196
6.0501	Business Economics	$1,438	$17,256	1
6.0700	Institutional Management	$1,239	$14,868	102
6.1101	Labor/Industrial Relations	$1,436	$17,232	1
6.1400	Marketing Mgmt. and Research	$1,381	$16,572	109
6.1701	Real Estate, General	$1,875	$22,500	1
Business and Office				
7.0300	Business Data Processing	$1,731	$20,772	80
7.0400	Office Supervision and Mgmt.	$1,055	$12,660	8
7.0603	Executive Secretarial	$1,092	$13,104	1
7.0604	Legal Secretarial	$947	$11,364	1
7.0608	Word Processing	$792	$9,504	1

CIP Number	Major	Average Monthly Starting Salary	Average Yearly Starting Salary	Number Reporting Salaries
Marketing and Distribution				
8.0100	Apparel & Accessories Mktg.	$850	$10,200	12
8.0102	Fashion Merchandising	$1,019	$12,228	1
8.0700	General Marketing	$1,241	$14,892	33
8.0900	Hospitality & Recreation Mktg.	$1,185	$14,220	37
Communications				
9.0100	Communications General	$1,308	$15,696	47
9.0200	Advertising	$1,088	$13,056	20
9.0500	Public Relations	$1,236	$14,832	5
Communication Technologies				
10.0100	Communication Technologies	$1,159	$13,908	5
10.0104	Radio & TV Prod & Broad. Tech	$1,118	$13,416	1
Computer and Information Sciences				
11.0100	Computer & Info Sciences	$1,731	$20,772	28
11.0200	Computer Programming	$2,167	$26,004	1
11.0401	Information Sciences & Systems	$1,485	$17,820	17
Education				
13.1003	Ed. of Deaf & Hearing Impaired	$1,275	$15,300	1
13.1005	Ed. of Emotionally Handicapped	$1,228	$14,736	11
13.1006	Ed. of Mentally Handicapped	$1,157	$13,884	11
13.1008	Ed. of Physically Handicapped	$1,239	$14,868	4
13.1009	Ed. of Visually Handicapped	$1,187	$14,244	6
13.1012	Speech Correction	$1,451	$17,412	1
13.1202	Elementary Education	$1,151	$13,816	67
13.1204	Pre-Elementary Education	$1,368	$16,416	1
13.1205	Secondary Education	$1,465	$17,580	8
13.1303	Business Education	$967	$11,604	1
13.1305	English Education	$917	$11,004	1
13.1308	Home Economics Education	$1,084	$13,002	2
13.1309	Industrial Arts Education	$1,583	$18,996	1
13.1310	Marketing & Distributive Ed.	$1,250	$15,000	1
13.1311	Mathematics Education	$1,325	$15,900	1
13.1312	Music Education	$1,296	$15,552	21
13.1314	Physical Education	$1,249	$14,982	13
13.1316	Science Education	$1,377	$16,524	1
13.1317	Social Science Education	$1,372	$16,464	3

CIP Number	Major	Average Monthly Starting Salary	Average Yearly Starting Salary	Number Reporting Salaries
Engineering				
14.0100	Engineering General	$2,083	$24,990	78
14.0200	Aerospace, Aeronautical, & Astronautical Engineering	$2,125	$25,500	6
14.0500	Bioengineering & Biomed. Eng.	$960	$11,520	4
14.1700	Industrial Engineering	$1,965	$23,580	26
14.1900	Mechanical Engineering	$2,129	$25,542	116
14.2000	Metallurgical Engineering	$2,042	$24,504	10
14.9900	Engineering, Other	$2,271	$27,252	8
Engineering and Engineering-Related Technologies				
15.0101	Architectural Design & Constr.	$1,800	$21,600	1
15.0200	Civil Technologies	$1,199	$14,388	14
15.0600	Industrial Production Tech.	$1,774	$21,288	34
15.0603	Industrial Technology	$2,393	$28,716	1
15.0604	Manufacturing Technology	$2,076	$24,912	1
15.0700	Quality Control & Saftey Tech.	$1,863	$22,356	5
15.0800	Mechanical & Related Tech.	$1,732	$20,784	73
15.0805	Mechanical Design Tech.	$1,765	$21,180	73
Foreign Languages				
16.0901	French	$1,375	$16,500	1
16.9999	Foreign Languages, Other	$1,633	$19,596	1
Allied Health				
17.0300	Medical Lab. Technologies	$1,345	$16,134	25
17.0500	Misc. Allied Health Services	$1,833	$21,996	5
17.0701	Ophthalmic Dispensing	$1,734	$20,808	1
17.0800	Rehabilitation Services	$1,153	$13,836	37
17.0807	Occupational Therapy	$1,620	$19,440	1
17.0816	Recreational Therapy	$1,330	$15,960	1
17.9900	Allied Health, Other	$672	$8,064	1
Health Sciences				
18.0700	Health Sciences, General	$1,438	$17,256	15
18.0901	Medical Laboratory	$1,667	$20,004	1
18.1101	Nursing	$1,699	$20,388	49
18.1400	Pharmacy	$2,171	$26,052	29

CIP Number	Major	Average Monthly Starting Salary	Average Yearly Starting Salary	Number Reporting Salaries
Home Economics				
19.0401	Family/Consumer Resource Mgmt.	$1,345	$16,140	1
19.0503	Dietietics/Human Nut. Serv.	$1,302	$15,628	17
19.0601	Human Environment & Housing	$1,098	$13,176	3
19.0900	Textiles & Clothing	$1,153	$13,836	3
Vocational Home Economics				
20.0100	Consumer & Homemaking Home Eco	$2,047	$24,564	10
Letters				
23.0101	English	$1,350	$16,200	59
23.0401	Composition	$1,691	$20,292	1
23.0801	Literature, English	$1,750	$21,000	1
23.1001	Speech, Debate & Forensics	$1,377	$16,524	1
Liberal/General Studies				
24.0100	Liberal/General Studies	$1,819	$21,828	11
Library and Archival Sciences				
25.0401	Library Science	$750	$9,000	1
Life Sciences				
26.0101	Biology, General	$1,049	$12,588	14
26.0200	Biochemistry & Biophysics	$1,415	$16,980	7
26.0501	Microbiology	$1,196	$14,352	8
26.0706	Physiology, Human & Animal	$2,050	$24,600	6
26.9999	Life Sciences, Other	$1,208	$14,496	1
Mathematics				
27.0101	Mathematics, General	$1,536	$18,432	32
Multi/Interdisciplinary Studies				
30.0100	Biological & Physical Sciences	$1,459	$17,502	6
Health-Related Activities				
34.0100	Health-Related Activities	$1,990	$23,880	32
Philosophy and Religion				
38.0101	Philosophy	$625	$7,500	1

CIP Number	Major	Average Monthly Starting Salary	Average Yearly Starting Salary	Number Reporting Salaries
Physical Sciences				
40.0500	Chemistry	$1,419	$17,032	13
40.0600	Geological Sciences	$1,584	$19,002	16
Psychology				
42.0200	Clinical Psychology	$972	$11,664	15
Protective Services				
43.0100	Correctional Admin.	$1,398	$16,776	67
Public Affairs				
44.0700	Social Work	$1,091	$13,086	32
Social Sciences				
45.0600	Economics	$1,363	$16,356	8
45.0700	Geography	$1,192	$14,298	12
45.0800	History	$1,195	$14,340	14
45.0900	International Relations	$1,250	$15,000	1
45.1000	Political Sci. & Govt.	$1,430	$17,154	15
45.1100	Sociology	$1,209	$14,508	12
Precision Production				
48.0200	Graphic & Printing Comm.	$1,387	$16,644	13
Visual and Performing Arts				
50.0400	Design	$1,292	$15,504	5
50.0700	Fine Arts	$1,151	$13,808	33

Placement Results for 1983-84 Bachelor's Graduates
of Selected Michigan Colleges and Universities

Cip Number	Major	Percent Unemployed	Percent employed In MI	Percent in Grad School	Number of Grads.
Agribusiness and Agricultural Production					
1.01	Agricultural Bus. & Mgmt.	9.84%	57.38%	4.92%	86
1.06	Horticulture, General	6.98%	67.44%	9.30%	71
1.99	Agribusiness & Ag. Prod. other	14.29%	42.86%	14.29%	12
Agricultural Sciences					
2.00	Agricultural Sciences, Gen.	7.69%	76.92%	15.38%	14
2.02	Animal Sciences	7.84%	58.82%	31.37%	73
2.03	Food Sciences	13.33%	60.00%	20.00%	20
2.05	Soil Sciences	6.45%	61.29%	29.03%	38
Renewable Natural Resources					
3.01	Renewable Nat. Resources	31.58%	57.89%	0.00%	36
3.02	Conservation and Regulation	46.15%	38.46%	7.69%	27
3.05	Forestry and Related Sciences	15.12%	72.20%	5.37%	313
3.06	Wildlife Management	9.38%	46.88%	37.50%	55
Architecture and Environmental Design					
4.03	City, Comm.& Regional Planning	0.00%	66.67%	0.00%	3
4.04	Environmental Design	66.67%	33.33%	0.00%	5
4.05	Interior Design	4.35%	58.70%	6.52%	50
4.06	Landscape Architecture	18.75%	56.25%	0.00%	28
4.07	Urban Design	40.00%	40.00%	20.00%	7
Area and Ethnic Studies					
5.01	Area Studies	0.00%	100.00%	0.00%	1
5.02	Ethnic Studies	0.00%	0.00%	100.00%	1
Business and Management					
6.01	Business & Management, Gen.	9.56%	68.38%	8.09%	175
6.02	Accounting	13.41%	68.51%	3.20%	1049
6.03	Banking & Finance	18.58%	59.13%	5.26%	418
6.04	Business Admin & Mgmt.	14.40%	61.87%	4.03%	1188

Business and Management					
6.05	Business Economics	13.33%	40.00%	6.67%	21
6.06	Human Resources Development	3.70%	55.56%	7.41%	42
6.07	Institutional Management	10.30%	39.39%	2.42%	220
6.08	Insurance & Risk Management	11.11%	72.22%	5.56%	25
6.09	International Business Mgmt.	20.00%	40.00%	20.00%	6
6.11	Labor/Industrial Relations	0.00%	66.67%	0.00%	4
6.12	Management Information Systems	19.75%	61.73%	1.23%	162
6.13	Management Science	12.12%	77.78%	2.02%	135
6.14	Marketing Mgmt. & Research	14.59%	62.39%	2.46%	733
6.16	Personnel Management	25.00%	56.25%	3.13%	33
6.17	Real Estate	22.22%	55.56%	11.11%	13
6.19	Taxation	0.00%	100.00%	0.00%	13
6.99	Business & Mgmt. other	0.00%	0.00%	0.00%	1
Business and Office					
7.03	Business Data Processing	16.15%	55.90%	2.48%	183
7.04	Office Supervision & Mgmt.	17.65%	73.53%	0.00%	46
7.06	Secretarial & Related Programs	11.63%	72.09%	4.65%	48
Marketing and Distribution					
8.01	Apparel & Accessories Mktg.	15.15%	60.61%	0.00%	68
8.02	Business & Pers. Serv. Mktg.	6.40%	67.44%	4.65%	235
8.07	General Marketing	17.39%	57.39%	2.61%	134
8.09	Hospitality & Recreation Mktg.	0.00%	44.00%	1.33%	100
8.11	Transportation & Travel Mktg.	12.50%	62.50%	0.00%	17
Communications					
9.01	Communications	14.88%	58.13%	7.96%	399
9.02	Advertising	19.62%	57.31%	6.15%	419
9.04	Journalism	20.86%	59.71%	2.88%	187
9.05	Public Relations	20.83%	20.83%	25.00%	43
9.06	Radio/TV News Broadcast	18.75%	75.00%	0.00%	21
9.07	Radio/TV General	21.88%	58.85%	7.29%	312
Communication Technologies					
10.01	Communication Technologies	2.33%	53.49%	4.65%	63
Computer and Information Sciences					
11.01	Computer & Info. Sciences Gen	10.12%	64.29%	3.87%	392
11.02	Computer Programming	20.00%	20.00%	0.00%	5
11.04	Information Sciences & Systems	16.98%	60.38%	1.89%	162
11.05	Systems Analysis	0.00%	50.00%	0.00%	4

Education					
13.01	Education, General	0.00%	100.00%	0.00%	45
13.10	Special Education	8.37%	50.00%	5.66%	536
13.12	Teacher Ed. General Programs	13.46%	49.04%	3.13%	515
13.13	Teacher Ed.Specific Subj.Areas	10.18%	49.56%	8.63%	593
13.14	Teaching English as a 2nd Language/Foreign Language	0.00%	40.00%	40.00%	6
Engineering					
14.00	Engineering	14.29%	71.43%	0.00%	7
14.01	Engineering, General	6.25%	60.71%	4.46%	133
14.02	Aerospace, Aeronautical and Astronautical Engineering	0.00%	33.33%	0.00%	9
14.03	Agricultural Engineering	11.11%	66.67%	18.52%	45
14.05	Bioengineering & Biomed. Eng.	0.00%	80.00%	0.00%	14
14.07	Chemical Engineering	9.68%	77.42%	4.84%	76
14.08	Civil Engineering	0.00%	54.79%	27.40%	92
14.10	Electrical, Electronics, and Communications Engineering	1.90%	76.19%	13.33%	117
14.11	Engineering Mechanics	0.00%	66.67%	33.33%	7
14.14	Environmental Health Eng.	0.00%	0.00%	0.00%	2
14.17	Industrial Engineering	0.00%	78.05%	0.00%	52
14.18	Materials Engineering	0.00%	75.00%	12.50%	9
14.19	Mechanical Engineering	4.58%	77.12%	6.54%	198
14.20	Metallurgical Engineering	5.56%	50.00%	0.00%	21
14.99	Engineering, Other	16.67%	22.22%	5.56%	20
Engineering and Engineering-Related Technologies					
15.01	Architectural Technologies	27.78%	33.33%	11.11%	25
15.02	Civil Technologies	16.00%	52.00%	4.00%	29
15.05	Environmental Control Tech.	38.10%	19.05%	0.00%	24
15.06	Industrial Production Tech.	10.87%	63.04%	2.17%	117
15.07	Quality Control & Saftey Tech.	41.18%	35.29%	0.00%	21
15.08	Mechanical & Related Tech.	9.29%	58.57%	2.86%	179
Foreign Languages					
16.01	Foreign Languages, Mult. Emph.	50.00%	0.00%	50.00%	4
16.03	Asiatic Languages	0.00%	100.00%	0.00%	2
16.04	Balto-Slavic Languages	0.00%	66.67%	33.33%	7
16.05	Germanic Languages	0.00%	46.67%	33.33%	18
16.09	Italic Languages	5.45%	29.09%	25.45%	63
Allied Health					
17.00	Allied Health	8.33%	41.67%	8.33%	19
17.02	Diagnostic & Treatment Serv.	25.00%	58.33%	16.67%	13
17.03	Medical Laboratory Tech.	3.70%	62.96%	21.48%	183
17.04	Mental Health/Human Services	14.29%	42.86%	28.57%	28
17.05	Misc. Allied Health Serv.	18.18%	59.09%	0.00%	43
17.08	Rehabilitation Services	4.05%	42.57%	5.41%	191
17.99	Allied Health, Other	35.71%	50.00%	10.71%	32

Health Sciences					
18.01	Audiology & Speech Pathology	12.82%	5.13%	79.49%	46
18.02	Basic Clinical Health Sci.	1.39%	1.39%	94.44%	81
18.07	Health Sciences Admin.	11.63%	60.47%	4.65%	117
18.09	Medical Laboratory	27.27%	45.45%	18.18%	13
18.10	Medicine	0.00%	0.00%	100.00%	3
18.11	Nursing	2.43%	80.54%	4.05%	488
18.13	Osteopathic Medicine	0.00%	0.00%	100.00%	4
18.14	Pharmacy	0.00%	84.38%	4.17%	109
18.24	Veterinary Medicine	0.00%	0.00%	100.00%	35
18.99	Health Sciences, Other	0.00%	0.00%	100.00%	1
Home Economics					
19.01	Home Economics, General	18.18%	63.64%	0.00%	13
19.03	Family and Community Serv.	18.75%	50.00%	12.50%	26
19.04	Family/Consumer Res. Mgmt.	50.00%	25.00%	0.00%	6
19.05	Food Science & Hum. Nut.	14.58%	47.22%	18.75%	175
19.06	Human Environment & Housing	18.18%	57.58%	0.00%	41
19.07	Individ. & Family Development	0.00%	40.00%	0.00%	9
19.09	Textiles and Clothing	7.20%	49.60%	2.40%	179
Vocational Home Economics					
20.01	Cons. & Homemaking Home Econ.	10.00%	74.00%	4.00%	61
20.02	Child Care & Guidance Management & Services	0.00%	300.00%	0.00%	5
20.04	Food Production, Mgmt.& Serv.	25.00%	62.50%	0.00%	12
Industrial Arts					
21.01	Consumer& Homemaking Home Econ	10.81%	55.41%	1.35%	112
Law					
22.01	Law	6.74%	29.21%	55.06%	156
Letters					
23.01	Letters	10.82%	43.81%	19.59%	314
23.02	Classics	0.00%	0.00%	100.00%	1
23.04	Composition	28.57%	28.57%	0.00%	10
23.06	Linguistics	40.00%	0.00%	20.00%	6
23.08	Literature, English	14.29%	28.57%	14.29%	10
23.10	Speech, Debate & Forensics	15.69%	50.98%	5.88%	67
Liberal/General Studies					
24.01	Liberal/General Studies	10.00%	40.00%	13.33%	58

Library and Archival Sciences					
25.01	Library & Arch. Sci. Gen.	28.57%	28.57%	14.29%	8
25.04	Library Science	40.00%	60.00%	0.00%	5
Life Sciences					
26.01	Biology, General	9.73%	34.96%	35.84%	285
26.02	Biochemistry & Biophysics	13.95%	30.23%	48.84%	65
26.03	Botany	25.00%	50.00%	0.00%	7
26.05	Microbiology	9.09%	42.42%	39.39%	59
26.06	Misc. Spec. Areas, Life Sci.	50.00%	50.00%	0.00%	5
26.07	Zoology	10.20%	19.39%	59.18%	158
Mathematics					
27.00	Mathematics	0.00%	25.00%	25.00%	8
27.01	Mathematics, General	9.15%	50.00%	18.31%	182
27.03	Applied Mathematics	33.33%	22.22%	22.22%	11
27.05	Statistics	8.33%	25.00%	8.33%	13
Multi/Interdisciplinary Studies					
30.04	Humanities & Social Sciences	7.89%	31.58%	43.42%	109
30.05	Peace Studies	9.09%	18.18%	54.55%	29
30.06	Systems Science	14.29%	71.43%	14.29%	7
30.84		26.09%	52.17%	21.74%	31
Parks and Recreation					
31.01	Parks & Recreation General	15.79%	38.60%	19.30%	73
31.02	Outdoor Recreation	100.00%	0.00%	0.00%	10
31.03	Parks and Recreation Mgmt.	11.11%	50.00%	8.33%	44
31.99	Parks and Recreation Other	9.09%	45.45%	0.00%	11
Health-Related Activities					
34.01	Health Related Activities	5.13%	74.36%	2.56%	66
Leisure and Recreational Activities					
36.01	Leisure & Rec. Activities	0.00%	60.00%	20.00%	9
Philosophy and Religion					
38.00	Philosophy & Religion	0.00%	0.00%	100.00%	1
38.01	Philosophy	0.00%	11.11%	44.44%	16
38.02	Religion	7.14%	21.43%	28.57%	21
38.99	Philosophy & Rel. Other	15.38%	23.08%	0.00%	15

Physical Sciences					
40.01	Physical Sciences, General	0.00%	83.33%	0.00%	7
40.03	Astrophysics	20.00%	0.00%	60.00%	7
40.05	Chemistry	8.64%	34.57%	43.21%	95
40.06	Geological Sciences	22.86%	38.57%	20.00%	123
40.07	Misc. Physical Sciences	11.11%	44.44%	22.22%	33
40.08	Physics	17.65%	41.18%	35.29%	26
40.79	Misc. Physical Sci. Other	0.00%	100.00%	0.00%	1
Science Technologies					
41.00	Science Technologies	0.00%	66.67%	22.22%	15
Psychology					
42.01	Psychology, General	14.10%	39.10%	30.77%	515
42.02	Clinical Psychology	18.18%	33.33%	36.36%	74
Protective Services					
43.01	Correctional Admin.	22.05%	52.48%	11.18%	483
Public Affairs					
44.01	Public Affairs, General	9.52%	90.48%	0.00%	34
44.04	Public Administration	23.53%	52.94%	8.82%	70
44.07	Social Work	16.76%	55.87%	15.08%	260
Social Sciences					
45.01	Social Sciences General	14.41%	54.05%	16.22%	188
45.02	Anthropology	7.69%	53.85%	38.46%	20
45.06	Economics	-12.24%	51.02%	20.41%	75
45.07	Geography	16.67%	52.08%	14.58%	60
45.08	History	16.67%	38.89%	20.00%	149
45.09	International Relations	66.67%	0.00%	0.00%	3
45.10	Political Sci. & Govt.	15.38%	35.04%	26.50%	161
45.11	Sociology	17.39%	46.38%	24.64%	108
45.12	Urban Studies	12.50%	43.75%	37.50%	32
Precision Production					
48.02	Graphic & Printing Comm.	0.00%	61.11%	0.00%	18
Transportation and Material Moving					
49.99	Trans & Material Moving, Other	100.00%	0.00%	0.00%	1

Visual and Performing Arts

50.03	Dance	0.00%	75.00%	12.50%	11
50.04	Design	16.67%	44.44%	0.00%	24
50.05	Dramatic Arts	3.70%	37.04%	33.33%	34
50.06	Film Arts	40.00%	60.00%	0.00%	7
50.07	Fine Arts	19.83%	55.37%	9.92%	193
50.08	Graphic Arts Technology	0.00%	100.00%	0.00%	5
50.09	Music	8.20%	49.18%	26.23%	68

Relative Demand by Academic Major
for 1983-84 Graduates (Bachelor's Degrees)

Cip Number	Academic Major	Percent Unemployed	Percent Employed in Mich.	Percent in Grad School	Number of Grads.
	Generally Low Umemployment Rates - None to 4.9%				
6.19	Taxation	0.00%	100.00%	0.00%	13
8.09	Hospitality & Recreation Mktg.	0.00%	44.00%	1.33%	100
13.01	Education, General	0.00%	100.00%	0.00%	45
13.14	Teaching English as a 2nd Language/Foreign Language	0.00%	40.00%	40.00%	6
14.02	Aerospace, Aeronautical and Astronautical Engineering	0.00%	33.33%	0.00%	9
14.05	Bioengineering & Biomed. Engr.	0.00%	80.00%	0.00%	14
14.08	Civil Engineering	0.00%	54.79%	27.40%	92
14.11	Engineering Mechanics	0.00%	66.67%	33.33%	7
14.17	Industrial Engineering	0.00%	78.05%	0.00%	52
14.18	Materials Engineering	0.00%	75.00%	12.50%	9
16.04	Balto-Slavic Languages	0.00%	66.67%	33.33%	7
16.05	Germanic Languages	0.00%	46.67%	33.33%	18
18.14	Pharmacy	0.00%	84.38%	4.17%	109
18.24	Veterinary Medicine	0.00%	0.00%	100.00%	35
19.07	Individ. & Family Development	0.00%	40.00%	0.00%	9
20.02	Child Care & Guidance Management & Services	0.00%	100.00%	0.00%	5
27.00	Mathematics	0.00%	25.00%	25.00%	8
36.01	Leisure & Rec. Activities	0.00%	60.00%	20.00%	9
38.01	Philosophy	0.00%	11.11%	44.44%	16
40.01	Physical Sciences, General	0.00%	83.33%	0.00%	7
41.00	Science Technologies	0.00%	66.67%	22.22%	15
48.02	Graphic & Printing Comm.	0.00%	61.11%	0.00%	18
50.03	Dance	0.00%	75.00%	12.50%	11
50.08	Graphic Arts Technology	0.00%	100.00%	0.00%	5
18.02	Basic Clinical Health Sci.	1.39%	1.39%	94.44%	81
14.10	Electrical, Electronics, and Communications Engineering	1.90%	76.19%	13.33%	117
10.01	Communication Technologies	2.33%	53.49%	4.65%	63
18.11	Nursing	2.43%	80.54%	4.05%	488
6.06	Human Resources Development	3.70%	55.56%	7.41%	42
17.03	Medical Laboratory Tech.	3.70%	62.96%	21.48%	183
50.05	Dramatic Arts	3.70%	37.04%	33.33%	34
17.08	Rehabilitation Services	4.05%	42.57%	5.41%	191
4.05	Interior Design	4.35%	58.70%	6.52%	50
14.19	Mechanical Engineering	4.58%	77.12%	6.54%	198

Cip Number	Academic Major	Percent Unemployed	Percent Employed in Mich.	Percent in Grad School	Number of Grads.
	Unemployment Rates - 5% to 9.9%				
34.01	Health Related Activities	5.13%	74.36%	2.56%	66
16.09	Italic Languages	5.45%	29.09%	25.45%	63
14.20	Metallurgical Engineering	5.56%	50.00%	0.00%	21
14.01	Engineering, General	6.25%	60.71%	4.46%	133
8.01	Business & Pers.Serv.Mktg.	6.40%	67.44%	4.65%	235
2.05	Soil Sciences	6.45%	61.29%	29.03%	38
22.01	Law	6.74%	29.21%	55.06%	156
1.06	Horticulture, General	6.98%	67.44%	9.30%	71
38.02	Religion	7.14%	21.43%	28.57%	21
19.09	Textiles and Clothing	7.20%	49.60%	2.40%	179
2.00	Agricultural Sciences, General	7.69%	76.92%	15.38%	14
45.02	Anthropology	7.69%	53.85%	38.46%	20
2.02	Animal Sciences	7.84%	58.82%	31.37%	73
30.04	Humanities & Social Sciences	7.89%	31.58%	43.42%	109
50.09	Music	8.20%	49.18%	26.23%	68
17.00	Allied Health	8.33%	41.67%	8.33%	19
27.05	Statistics	8.33%	25.00%	8.33%	13
13.10	Special Education	8.37%	50.00%	5.66%	536
40.05	Chemistry	8.64%	34.57%	43.21%	95
26.05	Microbology	9.09%	42.42%	39.39%	59
30.05	Peace Studies	9.09%	18.18%	54.55%	29
31.99	Parks and Recreation Other	9.09%	45.45%	0.00%	11
27.01	Mathematics, General	9.15%	50.00%	18.31%	182
15.08	Mechanical & Related Tech.	9.29%	58.57%	2.86%	179
3.06	Wildlife Management	9.38%	46.88%	37.50%	55
44.01	Public Affairs, General	9.52%	90.48%	0.00%	34
6.01	Business & Management, Gen.	9.56%	68.38%	8.09%	175
14.07	Chemical Engineering	9.68%	77.42%	4.84%	76
26.01	Biology, General	9.73%	34.96%	35.84%	285
1.01	Agricultural Bus. & Mgmt.	9.84%	57.38%	4.92%	86
	Unemployment Rates - 10% to 14.9%				
20.01	Cons. & Homemaking Home Econ.	10.00%	74.00%	4.00%	61
24.01	Liberal/General Studies	10.00%	40.00%	13.33%	58
11.01	Computer & Info. Sciences Gen.	10.12%	64.29%	3.87%	392
13.13	Teacher Ed.Specific Subj.Areas	10.18%	49.56%	8.63%	593
26.07	Zoology	10.20%	19.39%	59.18%	158
6.07	Institutional Management	10.30%	39.39%	2.42%	220
21.01	Consumer & Homemaking Home Econ	10.81%	55.41%	1.35%	112
23.01	Letters	10.82%	43.81%	19.59%	314
15.06	Industrial Production Tech.	10.87%	63.04%	2.17%	117
6.08	Insurance & Risk Management	11.11%	72.22%	5.56%	25
14.03	Agricultural Engineering	11.11%	66.67%	18.52%	45
31.03	Parks and Recreation Mgmt.	11.11%	50.00%	8.33%	44
40.07	Misc. Physical Sciences	11.11%	44.44%	22.22%	33
7.06	Secretarial & Related Programs	11.63%	72.09%	4.65%	48
18.07	Health Sciences Admin.	11.63%	60.47%	4.65%	117
6.13	Management Science	12.12%	77.78%	2.02%	135
45.06	Economics	12.24%	51.02%	20.41%	75
8.11	Transportation & Travel Mktg.	12.50%	62.50%	0.00%	17

Cip Number	Academic Major	Percent Unemployed	Percent Employed in Mich.	Percent in Grad School	Number of Grads.
45.12	Urban Studies	12.50%	43.75%	37.50%	32
8.01	Audiology & Speech Pathology	12.82%	5.13%	79.49%	46
31.01	Parks & Rec General	13.04%	34.78%	39.13%	33
2.03	Food Sciences	13.33%	60.00%	20.00%	20
6.05	Business Economics	13.33%	40.00%	6.67%	21
6.02	Accounting	13.41%	68.51%	3.20%	1049
13.12	Teacher Ed. General Programs	13.46%	49.04%	3.13%	515
26.02	Biochemistry & Biophysics	13.95%	30.23%	48.84%	65
42.01	Psychology, General	14.10%	39.10%	30.77%	515
1.99	Agribusiness & Ag.Prod. other	14.29%	42.86%	14.29%	12
14.00	Engineering	14.29%	71.43%	0.00%	7
17.04	Mental Health/Human Services	14.29%	42.86%	28.57%	28
23.08	Literature, English	14.29%	28.57%	14.29%	10
30.06	Systems Science	14.29%	71.43%	14.29%	7
6.04	Business Admin. & Mgmt.	14.40%	61.87%	4.03%	1188
45.01	Social Sciences General	14.41%	54.05%	16.22%	188
19.05	Food Science & Hum. Nut.	14.58%	47.22%	18.75%	175
6.14	Marketing Mgmt. & Research	14.59%	62.39%	2.46%	733
9.01	Communications	14.88%	58.13%	7.96%	399
	Unemployment Rates - 15% to 19.9%				
3.05	Forestry & Related Sciences	15.12%	72.20%	5.37%	313
8.01	Apparel & Accessories Mktg.	15.15%	60.61%	0.00%	68
38.99	Philosophy & Rel. Other	15.39%	23.08%	0.00%	15
45.10	Political Sci. & Govt.	15.38%	35.04%	26.50%	161
23.10	Speech, Debate & Forensics	15.69%	50.98%	5.88%	67
15.02	Civil Technologies	16.00%	52.00%	4.00%	29
7.03	Business Data Processing	16.15%	55.90%	2.48%	183
14.99	Engineering, Other	16.67%	22.22%	5.56%	20
45.07	Geography	16.67%	52.08%	14.58%	60
45.08	History	16.67%	38.89%	20.00%	149
50.04	Design	16.67%	44.44%	0.00%	24
44.07	Social Work	16.76%	55.87%	15.08%	260
11.04	Information Sciences & Systems	16.98%	60.38%	1.89%	162
8.07	General Marketing	17.39%	57.39%	2.61%	134
45.11	Sociology	17.39%	46.38%	24.64%	108
7.04	Office Supervision & Mgmt.	17.65%	73.53%	0.00%	46
31.01	Parks & Recreation Gen.	17.65%	41.18%	5.88%	40
40.08	Physics	17.65%	41.18%	35.29%	26
17.05	Misc.Allied Health Serv.	18.18%	59.09%	0.00%	43
19.01	Home Economics, General	18.18%	63.64%	0.00%	13
19.06	Human Environment & Housing	18.18%	57.58%	0.00%	41
42.02	Clinical Psychology	18.18%	33.33%	36.36%	74
6.03	Banking & Finance	18.58%	59.13%	5.26%	418
4.06	Landscape Architecture	18.75%	56.25%	0.00%	28
9.06	Radio/TV News Broadcast	18.75%	75.00%	0.00%	21
19.03	Family & Community Serv.	18.75%	50.00%	12.50%	26
9.02	Advertising	19.62%	57.31%	6.15%	419
6.12	Management Information Systems	19.75%	61.73%	1.23%	162
50.07	Fine Arts	19.83%	55.37%	9.92%	193

Cip Number	Academic Major	Percent Unemployed	Percent Employed in Mich.	Percent in Grad School	Number of Grads.
	Unemployment Rates - 20% to 24.9%				
6.09	International Business Mgmt.	20.00%	40.00%	20.00%	6
11.02	Computer Programming	20.00%	20.00%	0.00%	5
40.03	Astrophysics	20.00%	0.00%	60.00%	7
9.05	Public Relations	20.83%	20.83%	25.00%	43
9.04	Journalism	20.86%	59.71%	2.88%	187
9.07	Radio/TV General	21.88%	58.85%	7.29%	312
43.01	Correctional Admin.	22.05%	52.48%	11.18%	483
6.17	Real Estate	22.22%	55.56%	11.11%	13
40.06	Geological Sciences	22.86%	38.57%	20.00%	123
44.04	Public Administration	23.53%	52.94%	8.82%	70
	Unemployment Rates - 25% to 29.9%				
6.16	Personnel Management	25.00%	56.25%	3.13%	33
17.02	Diagnostic & Treatment Serv.	25.00%	58.33%	16.67%	13
20.04	Food Production, Mgmt. & Serv.	25.00%	62.50%	0.00%	12
26.03	Botany	25.00%	50.00%	0.00%	7
18.09	Medical Laboratory	27.27%	45.45%	18.18%	13
15.01	Architectural Technologies	27.78%	33.33%	11.11%	25
23.04	Composition	28.57%	28.57%	0.00%	10
25.01	Library & Arch. Sci. Gen.	28.57%	28.57%	14.29%	8
	Unemployment Rates - Higher Than 30%				
3.01	Renewable Nat. Resources	31.58%	57.89%	0.00%	36
27.03	Applied Mathematics	33.33%	22.22%	22.22%	11
17.99	Allied Health, Other	35.71%	50.00%	20.71%	32
15.05	Environmental Control Tech.	38.10%	19.05%	0.00%	24
4.07	Urban Design	40.00%	40.00%	20.00%	7
23.06	Linguistics	40.00%	0.00%	20.00%	6
25.04	Library Science	40.00%	60.00%	0.00%	5
50.06	Film Arts	40.00%	60.00%	0.00%	7
15.07	Quality Control & Safety Tech.	41.18%	35.29%	0.00%	21
3.02	Conservation and Regulation	46.15%	38.46%	7.69%	27
16.01	Foreign Languages, Mult. Emph.	50.00%	0.00%	50.00%	4
19.04	Family/Consumer Res. Mgmt.	50.00%	25.00%	0.00%	6
4.04	Environmental Design	66.67%	33.33%	0.00%	5
45.09	International Relations	66.67%	0.00%	0.00%	3
31.02	Outdoor Recreation	100.00%	0.00%	0.00%	10